

IN THE CLAIMS

1. (Cancelled).

2. (Currently Amended) A battery according to ~~claim 1~~ any of claims 4, 12 and 13, wherein a content of the electrolyte salt in the electrolyte is in the range of 0.36 mol/kg to 1.52 mol/kg in relation to the solvent.

3. (Currently Amended) A battery according to any of claims 4, 12 and 13~~claim 1~~, wherein the electrolyte is formed by using the injection solution which contains an electrolyte salt in the range of 0.1 mol/kg to 3.5 mol/kg in relation to the low viscosity solvent.

4. (Currently Amended) A battery comprising:

a cathode;

an anode; and

an electrolyte,

wherein,

(a) the electrolyte contains a high molecular weight compound, a solvent containing a high viscosity solvent whose boiling point is more than 150°C and a low viscosity solvent whose boiling point is 150°C or less, and an electrolyte salt,

(b) the electrolyte is formed by forming a coating layer containing the high molecular weight compound, the high viscosity solvent, and the electrolyte salt on the cathode and the anode, and then injecting an injection solution containing the low viscosity solvent in the coating layer, and

(c) A battery according to claim 1, wherein the electrolyte is formed by using the injection solution which contains an electrolyte salt in relation to the lower viscosity solvent having a higher concentration than a content of an electrolyte salt in relation to the high viscosity solvent in the coating layer.

5. (Currently Amended) A battery according to any of claims 4, 12 and 13~~claim 1~~, wherein the electrolyte is formed by using the injection solution which contains ethyl methyl carbonate.

6. (Currently Amended) A battery according to any of claims 4, 12 and 13~~claim 1~~, wherein the electrolyte is formed by using the injection solution which contains diethyl carbonate.
7. (Currently Amended) A battery according to ~~claim 1~~any of claims 4, 12 and 13, wherein the electrolyte is formed by using the injection solution which contains dimethyl carbonate.
8. (Currently Amended) A battery according to ~~claim 1~~any of claims 4, 12 and 13, wherein the electrolyte is formed by using the injection solution which further contains LiPF_6 .
9. (Currently Amended) A battery according to ~~claim 1~~any of claims 4, 12 and 13, wherein the electrolyte is formed by using the injection solution which further contains $\text{LiN}(\text{SO}_2\text{CF}_3)_2$.
10. (Currently Amended) A battery according to ~~claim 1~~any of claims 4, 12 and 13, wherein the electrolyte is formed by using the injection solution which further contains $\text{LiN}(\text{SO}_2\text{C}_2\text{F}_5)_2$.
11. (Currently Amended) A battery according to ~~claim 1~~any of claims 4, 12 and 13, wherein the electrolyte is formed by using the injection solution which further contains LiBF_4 .
12. (Currently Amended) A battery comprising:
a cathode;
an anode; and
an electrolyte,
wherein,
(a) the electrolyte contains a high molecular weight compound, a solvent containing a high viscosity solvent whose boiling point is more than 150°C and a low viscosity solvent whose boiling point is 150°C or less, and an electrolyte salt,
(b) the electrolyte is formed by forming a coating layer containing the high molecular weight compound, the high viscosity solvent, and the electrolyte salt on the cathode and the anode, and then injecting an injection solution containing the low viscosity solvent in the coating layer, and

~~(c) A battery according to claim 1, wherein~~ the anode comprises an anode current collector and an anode mixture layer provided on the anode current collector, and a volume density of the anode mixture layer is from 1.0 g/cm³ to 2.2 g/cm³.

13. (Currently Amended) A battery comprising:

a cathode;

an anode; and

an electrolyte,

wherein,

(a) the electrolyte contains a high molecular weight compound, a solvent containing a high viscosity solvent whose boiling point is more than 150°C and a low viscosity solvent whose boiling point is 150°C or less, and an electrolyte salt,

(b) the electrolyte is formed by forming a coating layer containing the high molecular weight compound, the high viscosity solvent, and the electrolyte salt on the cathode and the anode, and then injecting an injection solution containing the low viscosity solvent in the coating layer, and

~~(c) A battery according to claim 1, wherein~~ the anode comprises an anode current collector and an anode mixture layer provided on the anode current collector, and an average void diameter of the anode mixture layer is from 0.2 μm to 5 μm.

14. (Currently Amended) A battery according to claim 1~~any of claims 4, 12 and 13~~, wherein the cathode, the anode, and the electrolyte are housed inside of a film exterior member.

15. (Cancelled).